

-1- (JAPIO)  
ACCESSION NUMBER  
TITLE  
PATENT APPLICANT  
INVENTORS  
  
PATENT NUMBER  
APPLICATION DETAILS  
SOURCE  
  
INT'L PATENT CLASS  
JAPIO CLASS  
ABSTRACT

85-175368  
ZINC-ALKALINE PRIMARY CELL  
(2000582) MATSUSHITA ELECTRIC IND CO LTD  
MIURA, AKIRA; OKAZAKI, RYOJI; TAKADA, KANJI; OHIRA,  
TSUKASA  
85.09.09 J60175368; JP 60-175368  
84.02.20 84JP-030550, 59-30550  
86.01.17 SECT. E, SECTION NO. 374; VOL. 10, NO. 11,  
PG. 111.  
H01M-004/42  
42.9 (ELECTRONICS--Other)  
PURPOSE: To reduce the amalgamation factor of  
negative-electrode zinc and make a primary cell to  
have low environmental pollution by adding Al or Mg;  
one or more of Pb, Cd, Sn; and Al, Ag, In, etc. to Zn  
to form amalgamated zinc alloy for use as a  
negative-electrode active material.  
CONSTITUTION: An alloy made by adding at least either  
Al or Mg, one or more of Pb, Cd, Sn, one or more of  
Ga, Tl, Ag, In to the main component Zn is  
pulverized, then it is amalgamated. This amalgamated  
zinc alloy is used as a negative electrode active  
material. Accordingly, the amalgamation factor is  
reduced and a zinc-alkaline primary cell having low  
environmental pollution and excellent in performance  
such as storage characteristic, leakage resistance  
can be obtained without deteriorating the corrosion  
resistance and discharge performance of the  
negative-electrode zinc.